

# Notice of Allowability

Application No.

09/620,113

Examiner

Truc T Chuong

Applicant(s)

KUROKAWA ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05/10/04.
2. ☒ The allowed claim(s) is/are 1, 2 and 6-10.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this Examiner's Amendment was given in a telephone interview with Atty. Steven Fischman on 09/03/04.
3. The claims have been amended as follows:

Claim 1. (Currently Amended): A video contents access method that uses trajectories of objects, comprising the steps of:

extracting objects from video contents, wherein said trajectories (Traj) of said objects are calculated by using a following equation:

Traj = (object ID, start time, end time, line graph representation);

displaying the movements of said objects as trajectories on a specific projection screen separate from a video image display providing said video contents;

concurrently displaying a play advantage scale for representing an important scene with said trajectories of objects, said scale functioning as a guide for adjusting a [the] speed for the playback of the trajectory;

controlling the speed at which said trajectories of said objects are displayed;

specifying locations along said trajectories; and

using the locations along said trajectories to access a desired scene contained in said video contents.

Claim 2. (Previously Presented): The video contents access method according to claim 1, wherein said trajectories of said objects are those displayed in a time interval between a currently displayed video frame and a preceding video frame displayed a predetermined time period earlier.

Claims 3 - 5. (Canceled).

Claim 6. (Original): The video contents access method according to claim 1, wherein video data are digital video data, or analog video data that can manage time code.

Claim 7. (Original): The video contents access method according to claim 1, further comprising: displaying on the same projection screen a window in which images of said contents of said video are displayed and a window in which said trajectories of said objects are displayed.

Claim 8. (Original): The video contents access method according to claim 1, wherein to specify said locations along said trajectories, a pointing device is used to designate points along said trajectories.

Claim 9. (Original): The video contents access method according to claim 1, wherein a plurality of video contents are used.

Claim 10. (Currently Amended): A video contents access apparatus comprising:  
display means for displaying, as trajectories on a specific projection screen, the movements of objects extracted from video contents;  
wherein, said trajectories (Traj) of said objects are calculated by using following equation:

Traj = (object ID, start time, end time, line graph representation);

said trajectories being displayed on said projection screen separate from a video image display providing said video contents;

means for concurrently displaying a play advantage scale for representing an important scene with said trajectories of objects, said scale functioning as a guide for adjusting a [the] speed for the playback of the trajectory;

means for controlling the speed at which said trajectories of said objects are displayed; and

instruction means for specifying locations along said trajectories, wherein locations along said trajectories are specified by said instruction means to access a desired scene in said video contents.

***Allowable Subject Matter***

4. Claims 1, 2, and 6-10 are allowed.
5. The following is an Examiner's statement of reasons for allowance:

Independent claims 1 and 10, when considered as a whole, are allowable over the Prior Art of record. Specifically, the Prior Art of record fail to clearly teach or suggest the video display which separately displays the video contents and the trajectories (Traj) of the objects wherein the trajectories are calculated by using the following equation:

Traj = (object ID, start time, end time, line graph representation)

to concurrently display the play advantage scale for representing the important scene with the guide wherein the objects can be adjusted the speed and specified locations along the trajectories.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Inquires*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Truc T Chuong whose telephone number is 703-305-5753, and starting October 2004, a new telephone number will be 571-272-4134. The examiner can normally be reached on M-Th and alternate Fridays 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather R. Herndon can be reached on 703-308-5186, and starting October 2004, a new telephone number will be 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Truc T. Chuong

09/03/04

  
BA HUYNH  
PRIMARY EXAMINER